

IPEC 2017 Business Meeting

Steering Committee

- Henning Fernau
- Jiong Guo
- Danny Hermelin
- Thore Husfeldt*
- Iyad Kanj*
- Stefan Kratsch (chair)
- Daniel Lokshtanov
- Naomi Nishimura
- Gerhard Woeginger*

New members (2018 – 2021):

- Christophe Paul
- Michał Pilipczuk
- Magnus Wahlström

Agenda

1. Report by the IPEC 2017 PC chairs
2. Information about IPEC 2018
3. (Conditional) bid for IPEC 2020
4. Options for growing IPEC
5. Lifting the time threshold for the EATCS-IPEC Nerode Prize
6. Applied and engineering papers in IPEC
7. IPEC 2017 Awards

Report by IPEC 2017 Chairs

IPEC 2018

IPEC 2018

- August 22 – 24, 2018 in Helsinki, Finland
- Co-located with ALGO CLOUD, ALGO SENSORS, ATMOS, ESA, WABI, and WAOA
- PC chairs: Christophe Paul (LIRMM), Michał Pilipczuk (U. Warsaw)
- **Submission deadline: May 14 + 17, 2018 (abstract/full paper)**
- Notification: July 1, 2018

- Decided last year to have earlier deadline due to early ALGO 2018
- Will evaluate effect at IPEC 2018 business meeting

IPEC 2018 – Program committee

- David Coudert
- Serge Gaspers
- Fedor Fomin
- Petteri Kaski
- Christian Knauer
- Stephan Kreutzer
- Michael Lampis
- Sebastian Ordyniak
- Sang-il Oum
- Christophe Paul (chair)
- Daniel Paulusma
- Geevarghese Philip
- Michał Pilipczuk (chair)
- Hisao Tamaki
- Till Tantau
- Meirav Zehavi

Conditional Bid for IPEC 2020

IPEC 2020 in Hong Kong?

Conditional Bid for IPEC 2020

Vote for one of the following two options:

1. Stay with ALGO for 2020
2. Co-locate with ISAAC in Hong Kong in 2020 if they choose Hong Kong (during ISAAC 2017), else stay with ALGO

Discuss?:

- Bid for IPEC 2020
- General opinion on having IPEC outside Europe
- General opinion on co-locating IPEC

Growing IPEC?

Goals for IPEC

- Disseminate results on exact algorithms, parameterized complexity, and related topics
- Bring together researchers interested in these topics

Improve?

- Increase the number of (good) submissions
- Increase average quality of accepted papers
- Increase thematic breadth (e.g. applied and engineering papers)

Opinion

- Cannot increase number of submissions without being able to accept more papers
- Similarly, need space *if* we receive submissions from a broader scope
- It is discouraging to have good papers rejected from IPEC
- Community is growing and more talk slots would make more of them attend IPEC
- More space would give time for e.g. PACE awards, more tutorials etc.

Next: two possible options for increasing the size of IPEC

Caveat: possible decisions are subject to approval by ESA SC

Option 1: Allow parallel sessions

- Give PC chairs the flexibility to use parallel sessions, especially on Thursday or Friday (when with ALGO)
- Subject to available space and approval by ESA SC
- PC chairs can react to having many strong submissions
- Not forced to fill more slots
- Parallel sessions decrease attendance per talk
- Cannot attend all IPEC talks
- Thursday is the most busy day at ALGO

Option 2: Extra day

- Let IPEC run from Tuesday to Friday (when with ALGO)
- Subject to available space and approval by ESA SC
- Typical ALGO Tuesday is less full than Thursday or Friday
- Can attend all talks of IPEC
- Longer trip for people interested only in IPEC
- Not clear that consistently get many high quality submissions
- Tuesday and Wednesday compete with ESA for attendance

Opinions? Thoughts?

- Option 1: Allow parallel sessions?
- Option 2: Extra day?
- Both, neither, something else?

- In 2018, local organization would seem to allow both options

- Would like to reach a shared opinion based on which to get in contact with the ESA steering committee

EATCS-IPEC Nerode Prize

Should the time threshold be lifted?

EATCS-IPEC Nerode Prize

- Awarded for outstanding papers in multivariate algorithmics
- Named in honor of Anil Nerode
- Presented annually at IPEC
- Decided by award committee (currently Jianer Chen, Daniel Marx, and David Eppstein)

Eligibility:

- Paper or series of papers on (broadly) multivariate algorithmics
- Journal publication **at least two and at most ten years ago**

Should the time threshold be lifted?

Proposal:

- Remove time restriction and, in particular, allow older papers
- Decision remains solely with the award committee and there is no obligation to select any older papers.
- Some great papers are already surprisingly old
- Might lead to rewarding lots of fundamental papers rather than newer developments

Opinions? Vote!

Applied papers in IPEC

How to encourage and evaluate applied submissions?

Applied and engineering submissions to IPEC

- From the IPEC 2017 Call for Papers:

In particular, studies on parameterized and exact computations for real-world applications and algorithmic engineering are especially encouraged.

- We received 5 applied/engineering papers and accepted 2 of them.
- It was very difficult to compare these with theoretical papers.
- Can we do better?

Howto encourage & compare applied papers?

Ideas and thoughts so far:

- Invite appropriate PC members (done for IPEC 2018)
- Have tutorials about experimental and engineering work
- Do we need to define/understand what constitutes a good experimental paper?

Your thoughts and opinions?

- We will briefly collect some comments
- You are welcome to discuss offline with SC members or send email

IPEC 2017 Awards

Best Paper Award and Excellent Student Paper Award

That's all,
enjoy PACE awards!